

ABSTRACT

A rotary displacement machine (10) with radial pistons (19), includes a bearing (29) having a rotating thrust ring (28) and a stationary outer ring (30), with bearing rollers (31) therebetween. The thrust ring (28) includes one engagement device (43, 45) per piston (19), the engagement device (43, 45) allowing movement in a straight line along a second direction defined by a second axis (b) perpendicular to a first longitudinal centerline (a) of the piston (19).